



Item no. 2544

500 Peak Amp

Battery Jumpstarter

with Air Compressor



USER'S MANUAL

KEEP THIS MANUAL FOR FUTURE REFERENCE

500 Peak Amp Jumpstarter with Air Compressor By Wagan Tech

Thank you for purchasing 500 Peak Amp Jumpstarter with Air Compressor by Wagan Tech. With normal care and proper treatment it will provide years of reliable service. Please read all operating instructions carefully before use.

IMPORTANT

PRIOR TO USE, READ AND UNDERSTAND ALL WARNINGS, CAUTIONS AND INSTRUCTIONS INCLUDED IN THIS INSTRUCTION MANUAL, AND THOSE PUBLISHED BY YOUR VEHICLE BATTERY MANUFACTURER AND MANUFACTURER OF ANY DEVICE INTENDED TO BE USED WITH THIS UNIT. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

CAUTIONS:

- Never work alone with this product. Make sure that someone is available to give assistance if needed.
- Wear complete eye and clothing protection. Do not touch eyes while working near battery.
- Do not attempt to remove or replace the battery used in this device. When the battery has reached the end of its useful lifetime, take the entire unit to a battery recycling facility.
- For proper and safe operation of the 12 Volt DC power accessory outlets, do not place anything into it except the plug of the accessory to be used.
- Remove metal, personal jewelry, such as rings, bracelets, necklaces and watches while working with a lead acid battery. It can produce a short-circuit that may cause severe burns.
- Never charge or jump-start a frozen battery.
- Never allow clamps (positive & negative terminals) to touch together or to connect the same piece of metal to prevent short-circuits and arcing.
- Do not operate this device while wearing vinyl clothing. Static electricity may be generated when vinyl clothing is rubbed.
- This product is not intended for use in the rain or temperatures above 130°F.
- Use only the provided chargers, cables and clamps. Unauthorized parts may damage the unit.
- The product must be properly assembled in accordance with the assembly instructions before it is used.
- This product has no consumer serviceable parts.
- This product is not a toy. Keep out of the reach of children.
- Keep battery terminals clean. Be careful to keep corrosion from coming in contact with eyes.
- Do not let the cords of the jumpstarter or attached appliances get wet.
- Do not operate this unit in or around water. Water can damage the unit



CHARGING AND RECHARGING:

WARNING: Do not overcharge this unit. Prior to charging unit, read and understand all instructions for this unit. Overcharging may result in damage to the unit.

- This product may arrive partially charged from the manufacturer. It is recommended to fully charge the unit immediately after purchase and before using for the first time.
- The charging LED indicator will be illuminated while charging. When charging is completed, press the LED indicator button then the green LED will stay illuminated. This light will not go out until the charging plug is removed.
- Do not charge the unit for more than 48 hours continuously.
- Do not charge the unit-on a boat, boat ramp, or dock since the electrical cords and outlets used for charging could cause severe electrical shock if they get wet.
- It is recommended that the unit be in an upright position while charging.

NOTE: Make sure both cable clamps (positive and negative) are placed in their storage holsters when not in use.

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CHARGING WITH AC CHARGER:

1. Insert AC charger plug into charging jack of the unit.
2. Insert AC charger receptacle plug into AC receptacle.
3. Fully charges the unit to the following: Initial and first time charge - 38 hours continuously; Recharge or between use around 34 hours continuously.
4. When charging is complete, unplug the AC charger receptacle plug then the AC charger from the charging jack on the unit.

CHARGING WITH 12-VOLT CHARGER:

1. Insert DC charger plug into charging jack of the unit.
2. Insert DC charger accessory plug into vehicle cigarette lighter socket.
3. Fully charge the unit for around 14 hours continuously, while the engine is running.
4. When charging is completed, unplug the DC charger accessory plug first and then the DC charger from the charging jack on the unit.

JUMP-STARTING A VEHICLE

WARNING: Vehicles equipped with on-board computers may be affected if the engine battery is jump-started. Read your vehicle owner's manual before attempting to start the vehicle to determine if external starting assistance can be used. Failure to follow these instructions may cause damage or explosion. Use safety glasses to protect eyes while jump-starting a battery.

1. Turn off the vehicle ignition and all accessories (e.g. radios, lights, air conditioners and cellular phones).
2. Set the emergency brake and put vehicles with automatic transmission in park position.
3. Determine the polarity of the vehicle's battery terminals. The positive (POS, P, +) battery terminal usually is larger in diameter than the negative (NEG, N, -) terminal. If you are unsure, you should refer to the vehicle's owner's manual.
4. Determine whether your vehicle uses a negative or positive grounded system: Negative ground system - Negative battery terminal is grounded to chassis. Most vehicles use this system. Positive grounded battery terminal is grounded to chassis or any other part of the vehicle. If you are unsure, you should refer to vehicle owner's manual.
5. Access the clamps by pressing clamp handles inward. Pull the clamps downward and remove clamps' from the holders in a downward angle. Never

allow clamps (positive & negative terminals) to touch together or to contact the same piece of metal to prevent short-circuits and arcing.

6. Follow instructions for a negative grounded system or positive grounded system as indicated below:

Negative Grounded System:

- a. Securely connect the positive (+) red clamp to the positive (POS, P+) terminal of the vehicle battery or the remote positive (+) terminal if equipped.
- b. Securely connect the negative (-) black clamp to the vehicle chassis, engine block or a non-moving metal part of the vehicle which is verified to be grounded. Do not clamp directly to negative battery terminal, carburetor, fuel lines, or sheet metal body parts.
- c. See jump-starting step 7 to continue.

Positive Grounded System:

- a. Securely connect the negative (-) black clamp to the negative (Neg, N-) ungrounded terminal of the vehicle battery.
 - b. Securely connect the positive (+) red clamp to the vehicle chassis, engine block or a non-moving metal part of the vehicle which is verified to be grounded. Do not clamp directly to positive battery terminal, carburetor, fuel lines, or sheet metal body parts.
 - c. See jump-starting step 7 to continue.
7. Set On/Off safety switch to "ON" after clamps are secure on battery post.
 8. Allow 2 or 3 minutes of charging time. It is recommended to have a second person to assist holding the unit securely in place during the next steps.
 9. Turn on the vehicle to attempt to start the engine. If the vehicle does not start after 4 to 5 seconds of engine cranking, then stop. Wait 3 to 4 minutes, and then try again. Repeat several times until the vehicle starts.

CAUTION: Excessive engine cranking can damage vehicle starter motor. If the engine turns, but fails to start after several attempts, other technical problems might be involved. Discontinue cranking the engine until the other problem is determined and corrected.

10. Standing as far away from the vehicle battery as is practical, disconnect the clamps in reverse sequence to connecting procedure:

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- For negative grounded systems, first disconnect negative (black) then positive (red) clamps.
- For positive grounded systems, first disconnect positive (red) then negative (black) clamps.

USING THE AIR COMPRESSOR

WARNING: Check item to be inflated for manufacturer's maximum recommended inflation pressure. Avoid over inflation. Most tires are properly inflated between 24-35 PSI. Some truck and bicycle tires require 40 PSI or more.

To inflate tires:

1. Remove valve cap from air valve stem.
Note: Make sure locking thumb lever is at up position. If necessary, use valve stem adapter.
2. Insert stem connector to valve stem. Make sure connector is pushed to valve stem as far as possible.
3. Press down the locking thumb lever to engage.
4. Set On/Off safety switch to the "ON" position.
5. Set the compressor On/Off switch to "ON" position by pressing down the section of switch marked "I".
Note: In the event that the tire's completely flat, raise the vehicle using a recommended jack before inflating the tire.
6. Monitor pressure on air pressure gauge.
Note: It is recommended to use a separate air gauge to check the actual inflation pressure. When desired pressure is reached, turn off compressor, turn the locking thumb lever to up position and remove stem connector from valve stem. Also remove valve stem adapter if applicable.
7. Replace valve cap on valve stem.

To inflate plastic inflatable (balls, air mattresses, rubber rafts, etc.):

1. Check manufacturer's specification on item to be inflated for correct inflation pressure.
2. Remove valve cap cover from valve stem.
3. Insert proper valve stem adapter into stem connector as far as possible and turn the locking thumb lever to down position.
4. Insert other end of valve stem adapter into inflatable air valve stem as far as practical.

5. Set On/Off safety switch to the "ON" position.
6. Set the compressor On/Off switch to "ON" position.
7. Monitor pressure on air pressure gauge. When desired pressure is reached, turn off compressor, turn the locking thumb lever to up position and remove stem connector from valve stem. Also remove valve stem adapter if applicable. Replace valve cap on valve stem.

DC POWER PORT

DC POWER PORT (accessory socket) is located to the left side of the unit. The port can power a DC load of up to 11 Amps. Overloading the port may result in "tripping" a self-resetting circuit breaker. Removing the overload automatically restores power to the DC Power Port.

1. Uncover the dust cover from the Power Port.
2. Insert the 12V DC accessory plug into the Power Port.
3. Set On/Off safety switch to the "ON" position.
4. Set the power port On/Off switch to "ON" position by pressing down the section of switch marked "I".
5. Operate the appliance as usual.
6. After use, set the power port on/off switch to "off" position by pressing down the section of switch marked "O".
7. Disconnect the accessory plug from the Power Port and store the accessory.
8. Replace the Power Port's dust cover.
9. Recharge the Power Dome as soon as convenient.

USB POWER PORT

Set On/Off safety switch to the "On" position. A USB Power Port located underneath the charging jack can power/charge devices that require 5Volts at up to 500mA through the use of a user-supplied cord.

STORAGE

This unit may be stored in any position. Make sure the clamps are secure inside the booster cable storage covers. Store at room temperature. If not used for a prolonged period of time, recharge every 2 months in the winter and every month in the summer.

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SPECIFICATIONS

Power Supply Battery	14AH sealed lead acid
Power Supply DC Output:	12-volts nominal.
Air Compressor	260 PSI
Power Supply Charging Time:	38 hours for the first time charging with AC charger; 34 hours to recharge with AC charger and 14 hours to recharge with 12-volt DC charger.
Storage Temperature:	Store in a cool dry area.

WAGAN Corp. Limited Warranty Registration Form

All WAGAN Corporation products are warranted to the original purchaser of this product.

Warranty Duration: This product is warranted to the original purchaser for a period of one (1) Year from the original purchase date, to be free of defects in material and workmanship. WAGAN Corporation disclaims any liability for consequential damages. In no event will WAGAN Corporation be responsible for any amount of damages beyond the amount paid for the product at retail. In the event of a defective item, please ship the item, prepaid, with a complete explanation of the problem, your name, address and daytime phone number. WAGAN Corporation will, at its option, replace or repair the defective part. This warranty is void if the product has been damaged by accident, in shipment, unreasonable use, misuse, neglect, improper service, commercial use, repairs by unauthorized personnel or other causes not arising out of defects in materials or workmanship. This warranty is effective only if the product is purchased and operated in the USA and Canada and does not extend to any units which have been used in violation of written instructions furnished.

Warranty Disclaimers: This warranty is in-lieu of all warranties expressed or implied and no representative or person is authorized to assume any other liability in connection with the sale of our products. There shall be no claims for defects or failure of performance or product failure under any theory of tort, contract or commercial law including, but not limited to negligence, gross negligence, strict liability, breach of warranty and breach of contract.

Warranty Performance: During the above one (1) Year warranty period, a product with a defect will be replaced with a comparable model when the product is returned to WAGAN Corporation with an original store receipt. The replacement product will be in warranty for the balance of the one (1) Year warranty period.

- Please activate my limited warranty for WAGAN Corp.
- Enclosed copy of original sales receipt.

Name					
Mail Address					
Add'l Address					
City		State		Zip Code	
Item Purchased					
Store Name					
Date of Purchase					
Signature				Date	

All WAGAN Corporation Products must be registered within (30) days of purchased to activate this warranty.

Mail the complete registration form, along with a copy of the original receipt to:

Attn: Customer Service
WAGAN Corporation
31088 San Clemente St., Hayward, CA 94544
Email: customerservice@wagan.com
Phone: (Toll Free) 1-800-231-5806 (Local) 1-510-471-9221
Hours of Operation: Monday through Friday 8:00 A.M. - 5:00 P.M. (P.S.T.)